

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	117	battery and charg\$3 and display and (micro\$1processor or micro\$1computer or C\$1P\$1U\$1) and ((test\$3 or monitor\$3 or detect\$3 or sens\$3 or measur\$3) with battery) and ((test\$3 or detect\$3) with starter) and (vehicle or car or automobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 15:51
S2	19	S1 and conductance and resistance and impedance and admittance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/15 20:18
S3	68	S1 and cranking	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/15 20:18
S4	31	S1 and (bad with (battery or cell))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/15 20:19
S5	59	S1 and (idle or quiescent or (no with load))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/15 08:54
S6	87	S1 and temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/15 20:20
S7	11	S1 and (surface with charge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/15 20:21
S8	6	S2 and S3 and S4 and S5 and S6 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/15 20:21
S10	816	(324/426).CCLS,	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 15:18

## EAST Search History

S11	9	((("6885195") or ("6445158") or ("6351102") or ("6091245") or ("6051976"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/24 16:10
S12	11	(micro\$1processor or micro\$1computer or CPU or micro\$1controller) and (battery or accumulator) and (test\$3 or measur\$3 or sens\$3 or monitor\$3) and starter and display and (conductance or resistance or impedance or admittance) and ((cranking with voltage) or CCV) and (idl\$3 or quiescent or parked) and load and temperature and (capacity or SOC or state\$1of\$1charge) and rating and (faulty or bad or replace) and (good or recharge or fully) and (analog\$1to\$1digital or A\$1D) and (amplifier or boost or flyback) and (vehicle or car or automobile or transportation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/24 16:21

# EAST Search History

S13	279	("2514745"   "3356936"   "3562634"   "3593099"   "3607673"   "3676770"   "3729989"   "3753094"   "3808522"   "3811089"   "3873911"   "3876931"   "3886443"   "3889248"   "3906329"   "3909708"   "3936744"   "3946299"   "3947757"   "3969667"   "3979664"   "3984762"   "3984768"   "3989544"   "4008619"   "4024953"   "4053824"   "4070624"   "4086531"   "4112351"   "4114083"   "4126874"   "4178546"   "4193025"   "4207611"   "4217645"   "4315204"   "4316185"   "4322685"   "4363407"   "4369407"   "4379989"   "4379990"   "4390828"   "4392101"   "4396880"   "4408157"   "4412169"   "4423378"   "4423379"   "4424491"   "4459548"   "4514694"   "4520353"   "4633418"   "4659977"   "4663580"   "4667143"   "4667279"   "4678998"   "4679000"   "4680528"   "4697134"   "4707795"   "4709202"   "4710861"   "4719428"   "4743855"   "4745349"   "4816768"   "4820966"   "4825170"   "4847547"   "4849700"   "4876495"   "4881038"   "4912416"   "4913116"   "4929931"   "4931738"   "4937528"   "4947124"   "4956597"   "4968941"   "4968942"   "5004979"   "5032825"   "5047722"   "5087881"   "5126675"   "5140269"   "5144218"   "5144248"   "5160881"   "5170124"   "5179335"   "5204611"   "5214370"   "5214385"   "5241275"   "5254952"   "5266880"   "5281919"   "5281920"   "5295078"   "5298797"   "5300874"   "5302902"   "5315287"   "5321626"   "5331268"   "5336993"   "5338515"   "5339018"   "5343380"   "5347163"   "5352968"   "5365160"   "5365453"   "5381096"   "5412323"   "5426371"   "5426416"   "5432426"   "5434495").PN. OR ("5435185"   "5442274"   "5445026"   "5449996"   "5449997"   "5451881"   "5457377"   "5469043"   "5485090"   "5488300"   "5519383"   "5528148"   "5537967"   "5546317"   "5548273"   "5550485"   "5561380"   "5562501"   "5572136"   "5574355"   "5583416"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/24 16:26
12/9/2006 8:46:16 PM		C:\Documents and Settings\api\My Documents\EAST\Workspaces\10791141.wsp				Page 3

## EAST Search History

S14	56	("4937528"   "5321627"   "5381096"   "5404106"   "5635842"   "5672951"   "5680050"   "5705929"   "5721688"   "5744962"   "5751217"   "5761072"   "5828218"   "5900734"   "6091228"   "6097193").PN. OR ("6424157"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/24 16:27
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# EAST Search History

S15	256	("2514745"   "3356936"   "3562634"   "3593099"   "3607673"   "3676770"   "3729989"   "3753094"   "3808522"   "3811089"   "3873911"   "3876931"   "3886443"   "3889248"   "3906329"   "3909708"   "3936744"   "3946299"   "3947757"   "3969667"   "3979664"   "3984762"   "3984768"   "3989544"   "4008619"   "4024953"   "4053824"   "4070624"   "4086531"   "4112351"   "4114083"   "4126874"   "4178546"   "4193025"   "4207611"   "4217645"   "4315204"   "4316185"   "4322685"   "4363407"   "4369407"   "4379990"   "4390828"   "4392101"   "4396880"   "4408157"   "4412169"   "4423378"   "4423379"   "4424491"   "4459548"   "4514694"   "4520353"   "4633418"   "4659977"   "4667279"   "4678998"   "4679000"   "4697134"   "4707795"   "4709202"   "4710861"   "4719428"   "4743855"   "4745349"   "4816756"   "4816768"   "4820966"   "4825170"   "4849700"   "4876495"   "4881038"   "4912416"   "4913116"   "4929931"   "4931738"   "4937528"   "4947124"   "4956597"   "4968941"   "4968942"   "5004979"   "5032825"   "5047722"   "5087881"   "5126675"   "5140269"   "5144218"   "5144248"   "5160881"   "5170124"   "5179335"   "5204611"   "5214370"   "5214385"   "5241275"   "5254952"   "5266880"   "5281919"   "5281920"   "5295078"   "5298797"   "5300874"   "5302902"   "5315287"   "5321626"   "5331268"   "5336993"   "5338515"   "5339018"   "5343380"   "5347163"   "5352968"   "5365160"   "5365453"   "5381096"   "5412323"   "5426371"   "5426416"   "5432426"   "5434495"   "5442274"   "5449996"   "5449997"   "5451881").PN. OR ("5457377"   "5469043"   "5485090"   "5488300"   "5519383"   "5528148"   "5537967"   "5546317"   "5548273"   "5550485"   "5561380"   "5562501"   "5572136"   "5574355"   "5583416"   "5585728"   "5589757"   "5592093"   "5596260"   "5598008"   "5607467"	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/24 16:27
12/9/2006 8:46:16 PM		C:\Documents and Settings\apollon\My Documents\EAST\Workspaces\10791141.wsp				Page 5

## EAST Search History

S16	104	("3673588"   "4247813"   "4258421"   "4310888"   "4316134"   "4334425"   "4342022"   "4402054"   "4628872"   "4678998"   "4757463"   "4843575"   "4891971"   "4929931"   "4937528"   "4939502"   "4965549"   "4978291"   "4990885"   "5003478"   "5003479"   "5012421"   "5034889"   "5056023"   "5063513"   "5072391"   "5091856").PN. OR ("5450321").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/24 16:32
S17	357	(320/104).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/24 16:33
S18	732	(320/132).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/24 16:55
S20	38	((("5369364") or ("6016047") or ("6215275") or ("6449726") or ("6777945") or ("20030194672") or ("20030036909") or ("RE37677") or ("6091238") or ("5780974") or ("5912534") or ("5614788") or ("5661368") or ("5081565") or ("20040049361") or ("20040051533") or ("20040054503") or ("4926330") or ("4949046") or ("5321627") or ("5872453") or ("6037778") or ("6061638") or ("6275008") or ("6359442") or ("6384608") or ("6388448") or ("6396278") or ("6570385") or ("6629054") or ("D442503") or ("20020030495") or ("4352067") or ("4360780") or ("4723656") or ("4874679") or ("5432025") or ("5707015")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 17:26

## EAST Search History

S21	37	(("2514745") or ("3593099") or ("3607673") or ("3676770") or ("3729989") or ("3753094") or ("3808522") or ("3811089") or ("3873911") or ("3886443") or ("3889248") or ("3906329") or ("3909708") or ("3936744") or ("3946299") or ("3947757") or ("3969667") or ("3979664") or ("3984762") or ("3984768") or ("4008619") or ("4053824") or ("4070624") or ("4086531") or ("4112351") or ("4114083") or ("4126874") or ("4178546") or ("4193025") or ("4207611") or ("4315204") or ("4316185") or ("4322685") or ("4363407") or ("4369407") or ("4412169")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 17:50
S22	67	(("4390828") or ("4392101") or ("4396880") or ("4408157") or ("4423378") or ("4423379") or ("4424491") or ("4459548") or ("4514694") or ("4520353") or ("4667279") or ("4678998") or ("4679000") or ("4697134") or ("4707795") or ("4709202") or ("4710861") or ("4719428") or ("4743855") or ("4816768") or ("4820966") or ("4825170") or ("4849700") or ("4881038") or ("4912416") or ("4929931") or ("4931738") or ("4947124") or ("4956597") or ("4968941") or ("5004979") or ("5032825") or ("5047722") or ("5087881") or ("5126675") or ("5140269") or ("5144248") or ("5170124") or ("5204611") or ("5214370") or ("5214385") or ("5241275") or ("5254952") or ("5281919") or ("5281920") or ("5295078") or ("5298797") or ("5300874") or ("5302902") or ("5331268") or ("5336993") or ("5352968") or ("5343380") or ("5365160") or ("5365453") or ("5381096") or ("5426371") or ("5432426") or ("5434495") or ("5442274") or ("5457377") or ("5449996") or ("5449997") or ("5485090") or ("5519383") or ("5528148") or ("5550485") or ("5561380")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 18:15

## EAST Search History

S23	57	(("5562501") or ("5572136") or ("5574355") or ("5585728") or ("5592093") or ("5596260") or ("5598098") or ("5602462") or ("5606242") or ("5621298") or ("5642031") or ("5650937") or ("5652501") or ("5675234") or ("5677077") or ("5699050") or ("5701089") or ("5717336") or ("5757192") or ("5773978") or ("5789899") or ("5793359") or ("5821756") or ("5831435") or ("5872443") or ("5914605") or ("5945829") or ("3356936") or ("5488300") or ("6002238") or ("6037777") or ("6051976") or ("6081098") or ("6091245") or ("6104167") or ("6137269") or ("3562634") or ("4379990") or ("5144218") or ("5315287") or ("5469043") or ("5546317") or ("5583416") or ("5589757") or ("5656920") or ("5710503") or ("5760587") or ("5808469") or ("6008652") or ("6009369") or ("6031354") or ("6037751") or ("6072299") or ("6094033") or ("6163156") or ("6172483") or ("6172505")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/25 18:09
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## EAST Search History

S24	74	(("3989544") or ("4745349") or ("4876495") or ("4937528") or ("4968942") or ("5179335") or ("5266880") or ("5451881") or ("5705929") or ("5717937") or ("5862515") or ("5895440") or ("5929609") or ("6072300") or ("4659977") or ("4913116") or ("5160881") or ("5338515") or ("5537967") or ("5548273") or ("5747909") or ("6114834") or ("6150793") or ("3876931") or ("5347163") or ("5939861") or ("5339018") or ("5412323") or ("5426416") or ("5825174") or ("5939855") or ("5254952") or ("4217645") or ("4633418") or ("5321626") or ("5969625") or ("6222369") or ("6225808") or ("6249124") or ("6259254") or ("6262563") or ("6294896") or ("6294897") or ("4379989") or ("4680528") or ("5633985") or ("5739667") or ("4024953") or ("6250973") or ("6254438") or ("6304087") or ("6310481") or ("6313607") or ("6313608") or ("63i6914") or ("5435185") or ("5445026") or ("4667143") or ("4847547") or ("5574355") or ("4663580") or ("6323650") or ("6329793") or ("6331762") or ("6332113") or ("4297639") or ("5653659") or ("6161640") or ("4351405") or ("6359441") or ("4047091") or ("5653659") or ("5637978") or ("5095223") or ("5194799") or ("5754417")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/25 19:02
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## EAST Search History

S25	51	(("5818234") or ("6140797") or ("6181545") or ("6346795") or ("6347958") or ("6351102") or ("6359441") or ("6363303") or ("5037778") or ("6144185") or ("5711648") or ("5927938") or ("5951229") or ("5961561") or ("5961604") or ("6236332") or ("6351102") or ("5821757") or ("6167349") or ("4665370") or ("4361809") or ("6392414") or ("6417669") or ("6424158") or ("6441585") or ("6445158") or ("6384608") or ("6388448") or ("6307349") or ("6411098") or ("6456045") or ("6466025") or ("6466026") or ("4564798") or ("5563496") or ("5796239") or ("4888716") or ("6495990") or ("4385269") or ("4686442") or ("6061638") or ("6359442") or ("5541489") or ("6424157") or ("6534993") or ("6544078") or ("6556019") or ("6566883") or ("6586941") or ("6597150") or ("20020171428") or ("6263268")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/25 19:05
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## EAST Search History

S26	70	(("5410754") or ("5654623") or ("6055468") or ("20030025481") or ("5313152") or ("20030184306") or ("20040000891") or ("3750011") or ("5159272") or ("5325041") or ("6526361") or ("6667624") or ("20020010558") or ("20020176010") or ("3652341") or ("5747967") or ("6628011") or ("5780980") or ("5412308") or ("6222342") or ("6679212") or ("5850113") or ("6242887") or ("6238253") or ("4056764") or ("6005759") or ("6064372") or ("5323337") or ("5978805") or ("6600815") or ("4933845") or ("6618644") or ("5982138") or ("4620767") or ("4934957") or ("5772468") or ("5108320") or ("5453027") or ("5865638") or ("3796124") or ("4280457") or ("4160916") or ("6356042") or ("6259170") or ("6081109") or ("6031368") or ("6211651") or ("6046514") or ("6531848") or ("4023882") or ("2000665") or ("6158000") or ("5745044") or ("5578915") or ("5592094") or ("6275008") or ("5872453") or ("5321627") or ("4949046") or ("4926330") or ("20020050163") or ("20030184262") or ("20040000891") or ("20040000590") or ("20040000893") or ("20040000913") or ("20040000915") or ("20040002824") or ("20040002825") or ("20040002836"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/25 19:11
S29	10	(("6215275") or ("5831435") or ("6016047") or ("6449726") or ("20030184262"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/05 17:42
S30	121	battery and charg\$3 and display and (micro\$1processor or micro\$1computer or C\$1P\$1U\$1) and ((test\$3 or monitor\$3 or detect\$3 or sens\$3 or measur\$3) with battery) and ((test\$3 or detect\$3) with starter) and (vehicle or car or automobile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 15:52

## EAST Search History

S31	9	((("6885195") or ("6445158") or ("6351102") or ("6091245") or ("6051976"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/06 15:52
S32	38	((("5369364") or ("6016047") or ("6215275") or ("6449726") or ("6777945") or ("20030194672") or ("20030036909") or ("RE37677") or ("6091238") or ("5780974") or ("5912534") or ("5614788") or ("5661368") or ("5081565") or ("20040049361") or ("20040051533") or ("20040054503") or ("4926330") or ("4949046") or ("5321627") or ("5872453") or ("6037778") or ("6061638") or ("6275008") or ("6359442") or ("6384608") or ("6388448") or ("6396278") or ("6570385") or ("6629054") or ("D442503") or ("20020030495") or ("4352067") or ("4360780") or ("4723656") or ("4874679") or ("5432025") or ("5707015"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 15:52
S33	37	((("2514745") or ("3593099") or ("3607673") or ("3676770") or ("3729989") or ("3753094") or ("3808522") or ("3811089") or ("3873911") or ("3886443") or ("3889248") or ("3906329") or ("3909708") or ("3936744") or ("3946299") or ("3947757") or ("3969667") or ("3979664") or ("3984762") or ("3984768") or ("4008619") or ("4053824") or ("4070624") or ("4086531") or ("4112351") or ("4114083") or ("4126874") or ("4178546") or ("4193025") or ("4207611") or ("4315204") or ("4316185") or ("4322685") or ("4363407") or ("4369407") or ("4412169"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 15:52

## EAST Search History

S34	67	(("4390828") or ("4392101") or ("4396880") or ("4408157") or ("4423378") or ("4423379") or ("4424491") or ("4459548") or ("4514694") or ("4520353") or ("4667279") or ("4678998") or ("4679000") or ("4697134") or ("4707795") or ("4709202") or ("4710861") or ("4719428") or ("4743855") or ("4816768") or ("4820966") or ("4825170") or ("4849700") or ("4881038") or ("4912416") or ("4929931") or ("4931738") or ("4947124") or ("4956597") or ("4968941") or ("5004979") or ("5032825") or ("5047722") or ("5087881") or ("5126675") or ("5140269") or ("5144248") or ("5170124") or ("5204611") or ("5214370") or ("5214385") or ("5241275") or ("5254952") or ("5281919") or ("5281920") or ("5295078") or ("5298797") or ("5300874") or ("5302902") or ("5331268") or ("5336993") or ("5352968") or ("5343380") or ("5365160") or ("5365453") or ("5381096") or ("5426371") or ("5432426") or ("5434495") or ("5442274") or ("5457377") or ("5449996") or ("5449997") or ("5485090") or ("5519383") or ("5528148") or ("5550485") or ("5561380")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 15:52
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## EAST Search History

S35	57	(("5562501") or ("5572136") or ("5574355") or ("5585728") or ("5592093") or ("5596260") or ("5598098") or ("5602462") or ("5606242") or ("5621298") or ("5642031") or ("5650937") or ("5652501") or ("5675234") or ("5677077") or ("5699050") or ("5701089") or ("5717336") or ("5757192") or ("5773978") or ("5789899") or ("5793359") or ("5821756") or ("5831435") or ("5872443") or ("5914605") or ("5945829") or ("3356936") or ("5488300") or ("6002238") or ("6037777") or ("6051976") or ("6081098") or ("6091245") or ("6104167") or ("6137269") or ("3562634") or ("4379990") or ("5144218") or ("5315287") or ("5469043") or ("5546317") or ("5583416") or ("5589757") or ("5656920") or ("5710503") or ("5760587") or ("5808469") or ("6008652") or ("6009369") or ("6031354") or ("6037751") or ("6072299") or ("6094033") or ("6163156") or ("6172483") or ("6172505")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 15:52
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## EAST Search History

S36	74	(("3989544") or ("4745349") or ("4876495") or ("4937528") or ("4968942") or ("5179335") or ("5266880") or ("5451881") or ("5705929") or ("5717937") or ("5862515") or ("5895440") or ("5929609") or ("6072300") or ("4659977") or ("4913116") or ("5160881") or ("5338515") or ("5537967") or ("5548273") or ("5747909") or ("6114834") or ("6150793") or ("3876931") or ("5347163") or ("5939861") or ("5339018") or ("5412323") or ("5426416") or ("5825174") or ("5939855") or ("5254952") or ("4217645") or ("4633418") or ("5321626") or ("5969625") or ("6222369") or ("6225808") or ("6249124") or ("6259254") or ("6262563") or ("6294896") or ("6294897") or ("4379989") or ("4680528") or ("5633985") or ("5739667") or ("4024953") or ("6250973") or ("6254438") or ("6304087") or ("6310481") or ("6313607") or ("6313608") or ("63i6914") or ("5435185") or ("5445026") or ("4667143") or ("4847547") or ("5574355") or ("4663580") or ("6323650") or ("6329793") or ("6331762") or ("6332113") or ("4297639") or ("5653659") or ("6161640") or ("4351405") or ("6359441") or ("4047091") or ("5653659") or ("5637978") or ("5095223") or ("5194799") or ("5754417")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 15:52
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## EAST Search History

S37	51	(("5818234") or ("6140797") or ("6181545") or ("6346795") or ("6347958") or ("6351102") or ("6359441") or ("6363303") or ("5037778") or ("6144185") or ("5711648") or ("5927938") or ("5951229") or ("5961561") or ("5961604") or ("6236332") or ("6351102") or ("5821757") or ("6167349") or ("4665370") or ("4361809") or ("6392414") or ("6417669") or ("6424158") or ("6441585") or ("6445158") or ("6384608") or ("6388448") or ("6307349") or ("6411098") or ("6456045") or ("6466025") or ("6466026") or ("4564798") or ("5563496") or ("5796239") or ("4888716") or ("6495990") or ("4385269") or ("4686442") or ("6061638") or ("6359442") or ("5541489") or ("6424157") or ("6534993") or ("6544078") or ("6556019") or ("6566883") or ("6586941") or ("6597150") or ("20020171428") or ("6263268"))). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 15:52
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## EAST Search History

S38	70	(("5410754") or ("5654623") or ("6055468") or ("20030025481") or ("5313152") or ("20030184306") or ("20040000891") or ("3750011") or ("5159272") or ("5325041") or ("6526361") or ("6667624") or ("20020010558") or ("20020176010") or ("3652341") or ("5747967") or ("6628011") or ("5780980") or ("5412308") or ("6222342") or ("6679212") or ("5850113") or ("6242887") or ("6238253") or ("4056764") or ("6005759") or ("6064372") or ("5323337") or ("5978805") or ("6600815") or ("4933845") or ("6618644") or ("5982138") or ("4620767") or ("4934957") or ("5772468") or ("5108320") or ("5453027") or ("5865638") or ("3796124") or ("4280457") or ("4160916") or ("6356042") or ("6259170") or ("6081109") or ("6031368") or ("6211651") or ("6046514") or ("6531848") or ("4023882") or ("2000665") or ("6158000") or ("5745044") or ("5578915") or ("5592094") or ("6275008") or ("5872453") or ("5321627") or ("4949046") or ("4926330") or ("20020050163") or ("20030184262") or ("20040000891") or ("20040000590") or ("20040000893") or ("20040000913") or ("20040000915") or ("20040002824") or ("20040002825") or ("20040002836")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 15:52
S39	10	(("6215275") or ("5831435") or ("6016047") or ("6449726") or ("20030184262")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/06 15:52
S40	18	(S31 or S34 or S33 or S32 or S36 or S37 or S38 or S35 or S39) and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 15:55

## EAST Search History

S41	56	("4937528"   "5321627"   "5381096"   "5404106"   "5635842"   "5672951"   "5680050"   "5705929"   "5721688"   "5744962"   "5751217"   "5761072"   "5828218"   "5900734"   "6091228"   "6097193").PN. OR ("6424157").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 19:03
S42	30	("4178546"   "4926330"   "4967143"   "5181858"   "5281919"   "5649001"   "6172505"   "6351102").PN. OR ("6570385").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 19:04
S43	107	("2084086"   "3848181"   "3876931"   "4295097"   "4352067"   "4423379"   "4459548"   "4613822"   "4767977"   "4816768"   "4914383"   "4929931").PN. OR ("5254952").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 19:04
S44	606	(324/427).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/12/06 19:19
S45	16	(US-20050017726-\$ or US-20040054503-\$).did. or (US-6051976-\$ or US-5426371-\$ or US-6445158-\$ or US-6351102-\$ or US-5450321-\$ or US-6424157-\$ or US-5831435-\$ or US-6215275-\$ or US-6777945-\$ or US-6570385-\$ or US-5254952-\$ or US-6363303-\$ or US-5701089-\$ or US-D354244-\$). did.	US-PGPUB; USPAT	OR	ON	2006/12/07 11:45
S47	1	S45 and display and (micro\$1processor or micro\$1computer or C\$1P\$1U\$1 or micro\$1controller) and battery and starter and (charging with system) and (rating or CCA or crank\$3) and (conductance or resistance or impedance or admittance) and (good or full\$1) and re\$1charge and (bad or replace) and load and temperature	US-PGPUB; USPAT	OR	ON	2006/12/07 11:52

## EAST Search History

S48	10	S45 and display and (micro\$1processor or micro\$1computer or C\$1P\$1U\$1 or micro\$1controller) and battery and starter and (charging with system) and (rating or CCA or crank\$3) and (conductance or resistance or impedance or admittance) and load and temperature	US-PGPUB; USPAT	OR	ON	2006/12/07 11:52
S49	2	S48 and (idle or quiescent) and (surface with charge)	US-PGPUB; USPAT	OR	ON	2006/12/07 11:54
S50	8	S48 and ripple	US-PGPUB; USPAT	OR	ON	2006/12/07 11:56
S51	9	S48 and (idle or quiescent)	US-PGPUB; USPAT	OR	ON	2006/12/07 11:59
S52	2	S48 and (surface with charge)	US-PGPUB; USPAT	OR	ON	2006/12/07 11:55
S53	8	S50 and S51	US-PGPUB; USPAT	OR	ON	2006/12/07 11:55
S54	6	S51 and (portable or hand\$1held)	US-PGPUB; USPAT	OR	ON	2006/12/07 12:02
S55	30	("4178546"   "4926330"   "4967143"   "5181858"   "5281919"   "5649001"   "6172505"   "6351102").PN. OR ("6570385").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/07 12:01
S56	6	S54 and ripple	US-PGPUB; USPAT	OR	ON	2006/12/07 12:02
S57	5	((("6885195") or ("6445158") or ("6351102") or ("6091245") or ("6051976"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/07 12:46
S58	2	S57 and (display and microprocessor and starter and (charging with system))".clm"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/07 12:47